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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,556	09/14/2006	Takayuki Kuroda	F-9185	8933
28107 7590 03/16/2011 IORDAN AND HAMBURG LLP			EXAM	UNER
122 EAST 42N	ND STREET		GRANT, ALVIN J	
SUITE 4000 NEW YORK,	NY 10168		ART UNIT	PAPER NUMBER
			3723	
			MAIL DATE	DELIVERY MODE
			03/16/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)	Applicant(s)			
10/587,556	KURODA ET AL.				
Examiner	Art Unit				
ALVIN J. GRANT	3723				

	ALVIN J. GRANT	3723					
The MAILING DATE of this communication appe	ears on the cover sheet with the	correspondence address					
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Exercisions of irms may be available under the provisions of 37 CPR 1.19 and 60 CV (MCNTH) from the mailing date of this communication. We will be supported to the second of the second o	TE OF THIS COMMUNICATIO 6(a). In no event, however, may a reply be t ill apply and will expire SIX (6) MONTHS fro cause the application to become ABANDON	N. imely filed m the mailing date of this communication. IED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 07 Au	igust 2010.						
2a) ☐ This action is FINAL . 2b) ☒ This action is non-final.							
3) Since this application is in condition for allowant	ce except for formal matters, p	rosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11,	453 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-8,10-13 and 19 is/are pending in the	application						
4a) Of the above claim(s) is/are withdraw	* *						
5) Claim(s) is/are allowed.	The second secon						
6) Claim(s) 1-8.10-13 and 19 is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers	·						
9) The specification is objected to by the Examiner							
10) ☐ The drawing(s) filed on is/are: a) ☐ acce		Evaminar					
Applicant may not request that any objection to the d							
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Exa							
The path of declaration is objected to by the Exa	aminer. Note the attached Onic	e Action of form FTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign pa) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)-(d) or (f).					
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3.⊠ Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau	(PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of	of the certified copies not receive	red.					
Attachment(s)							
Notice of References Cited (PTO-892) Notice of Draftsocrson's Patent Drawing Nevicw (PTO-941)	Interview Summa Parer No(s)/Mail						

Attachment(s)		
Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)	
2) Notice of Eraftsperson's Patent Drawing Review (PTC-942)	Paper No(s)/Mail Date	
3) Information Disclosure Statement(s) (PTO/SB/08)	 Notice of Informal Patent Application 	
Paper No(s)/Mail Date	6) Other:	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35
 U.S.C. 102 that form the basis for the rejections under this section made in this
 Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

 Claims 1-8, 12 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Dasser DE 14 78 857 A1.

Referring to claim 1, Dasser discloses a clamping mechanism comprising: a clamping main body (1) fixed to the base and is communicatingly formed with a rod insertion hole (Fig. 1) and a piston receiving cavity (at 4), a clamping rod which is inserted through the rod insertion hole of the clamping main body and protruding its top-end portion from the clamping main body, the top-end portion being provided with an engagement portion capable of engaging with the inner wall or side wall of the hole, a piston member (2) movably mounted in the piston receiving cavity (at 4) of the clamping main body, a rod support mechanism which moves the engagement portion of the clamping main body in a direction roughly rectangular to the longitudinal direction of the clamping rod and switchably supports the clamping rod in the clamping main body or the piston member across a clamping position and a clamp release position, a piston driving means for driving the piston member across the clamping position and the clamp release position, the piston driving mechanism being provided with a

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spring for elastically energizing the piston member away from the clamping object of the clamping position; and a cam mechanism (claim 2) for driving the engagement portion of the clamping rod in a clamping direction roughly rectangular to the longitudinal direction of the clamping rod by a driving force of the piston driving means for driving the piston member to the clamping position; a rod return mechanism for returning the clamping rod to the clamp release position when the piston member is moved to the clamp release position (claim 1).

Referring to claims 2-8, 12 and 19, see claims 1-6; and Figs. 2-6.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1, 2, 4, 6, 8, 10-13 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yonezawa 6,095,509 in view of Kohlert 5,746,420. Yonezawa discloses a clamping device for fixing a clamping object to a base by releasably engaging with an inner wall of a hole (2) or side wall formed in the clamping object, the clamping device comprises claimed elements including: a clamping main body (11a) fixed to the base (at 29) and is communicatingly formed with a rod insertion hole (2) and a piston receiving cavity (20), a clamping

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rod (12) which is inserted through the rod insertion hole (2) of the clamping main body and protruding its top-end portion from the clamping main body, the top-end portion being provided with an engagement portion capable of engaging with the inner wall or side wall of the hole, a piston member (20) movably mounted in the piston receiving cavity (at 20) of the clamping main body, a rod support mechanism, a piston driving means for driving the piston member across the clamping position and the clamp release position, the piston driving mechanism being provided with a spring; a rod return mechanism. Yonezawa does not specifically disclose a cam mechanism. Kohlert discloses a clamping that uses a cam mechanism to manipulate the movement of piston in a longitudinal direction so as to facilitate the clamping effort. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have made Yonezawa's apparatus to have a cam mechanism to manipulate the movement of piston in a longitudinal direction as taught by Kohlert so as to facilitate the clamping effort.

Response to Arguments

- Applicant's arguments filed 10/5/09 have been fully considered but they are not persuasive.
- 6. In response to applicant's arguments that the elements of European Patent DE 14 78 857 A1 (to Dasser) do not function as those of Applicant's, Dasser discloses the elements that provide the clamping functions. The rejection, which is USC 102(b), considers the presence of the elements. Further,

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Applicant does not positively recite the function of the elements being considered, e.g.; claim 1 recites the phrase "with a spring for urging" does not mean that the spring urges.

- 7. In response to Applicant's arguments that US Patent 6,095,509 (to Yonezawa) in combination with US Patent 5,746,420 (to Kohlert) is not obvious to one of ordinary skill in the art, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988)and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, Yonezawa discloses the claimed features except for the cam and Kohlert discloses a clamping mechanism that implements the use of a cam.
- 8. In response to Applicant's arguments that Yonezawa does not disclose a spring for urging the piston member, Yonezawa discloses equivalent elements that function in a manner that produce the expected results.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALVIN J. GRANT whose telephone number is (571)272-4484. The examiner can normally be reached on Mon-Fri 8:00-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph J. Hail can be reached on (571) 272-4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Alvin J Grant/ Examiner, Art Unit 3723